

Appl. No. 10,628,110

Admt. dates Jul. 28, 2003

Reply to Office action of June 9, 2005

**Amendment to the Specification:**

Please substitute prior Specification with Specification attached to this paper. The substitute Specification presented in two versions: a marked-up version with markings (underlining) for added text and strikethrough for deleted text to show all the changes relative to the immediate prior version, and a plain version of the substitute specification. Plain (clean) version is added because substituted specification is being submitted to incorporate extensive amendments (according 37 CFR 1.125)

Current specification contains 70 paragraphs:

- Amended paragraphs: 1, 3, 4, 7 – 10, 13 – 20, 22, 24 – 27, 30, 34, 35, 41 – 48, 51.
- Newly added paragraphs: 2, 5, 6, 11, 12, 19, 28, 29, 31 – 33, 36 – 40, 44, 49, 50, 52 – 70.
- No changes: 21, 23

The chapters added: “Field of the Invention”, “Description of the related art”, “Brief Description of the Several Views of the Drawings” and “Examples 1-3”.

The abbreviation “ $\mu$ k” (micron) changed everywhere to “ $\mu$ m” (micrometer) – the same distance, but micrometer ( $\mu$ m) currently used in scientific publications because belongs to SI (System International).

The word “microchannel” changed everywhere to “micro-channel”.

Abstract presented on the p. 30.

Attachment: Specification with markings of changes (p.7)

Specification without markings (p. 31)